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Practical NO:- 1 To Describe Components of a Network

PRN:- 2019BTECS00070

- Problem statement:- Study & Describe the following concepts in your words:-

① Client ② server ③ Communication ④ Protocols ⑤ Ports ⑥ Network.

① Client:-

When we talk the word client, it means to talk of a person or an organization using a particular service similarly. In the digital world a client is a Computer (Host) i.e. Capable of receiving information or using a particular service from the service provides (servers).

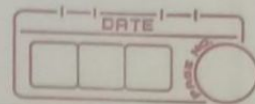
② Server:-

When we talk about word Server, It means a person or medium that serves something similarly. In this digital world a video server is a remote Computer which provides information (data) to access to particular services.

③ Communication:-

It provides transmission of verbal & non-verbal messages. It consist of a sender, a receiver & channel of communication. In the process of transmitting messages, the clarity of the messages may be distorted by what is often refers to as barriers.

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④ Protocols:-

A protocol is a set of rules & guidelines for to communicating data. Rules are defined for each step & process during communication betⁿ two or more computers. Networks have to follow these rules to successfully transmit data.

⑤ Ports:-

Port is a communication end point. At the s/w level within an OS, a port is a logical construct that identifies a specific process / a type of n/w service. A port is identified for combination by a 16 bit designed no. known as port no. The most common transport of protocols that we use port no. are transmission control protocol (TCP) & user Datagram Protocol (UDP).

⑥ Network:-

A N/w consists of two or more computers that are linked in order to share resources (such as printers & CD's), exchange files or allow electronic communications. The computers on a n/w may be linked through cables, N/w telephone lines, micro wave satellites or infrared light beams.

Two very common networks are:-

① Local Area Network (LAN)

② Wide Area Network (WAN).